

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021111.D
 Acq On : 09 Mar 2021 16:11
 Operator : JC/MD
 Sample : M1578-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 10 00:32:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

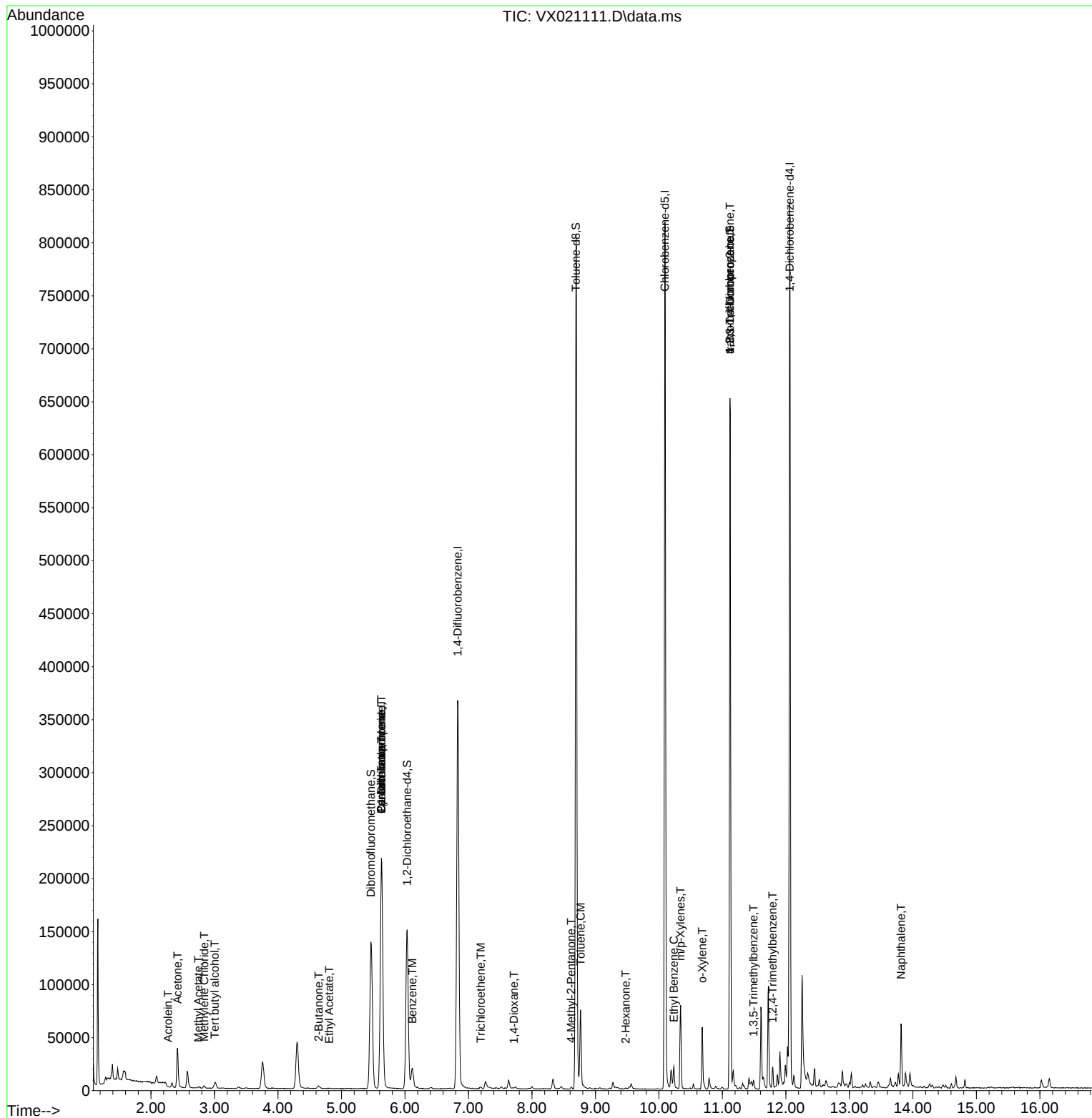
Internal Standards						
1) Pentafluorobenzene	5.629	168	213014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	395356	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	388602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	174521	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	140896	48.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.94%		
35) Dibromofluoromethane	5.464	113	123401	51.37	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.74%		
50) Toluene-d8	8.694	98	493945	52.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.48%		
62) 4-Bromofluorobenzene	11.118	95	186097	53.74	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	107.48%		
Target Compounds					Qvalue	
5) Bromomethane	1.634	94	404	Below Cal		88
11) Tert butyl alcohol	3.005	59	2831	4.42 ug/l #		87
13) Acrolein	2.270	56	247	0.62 ug/l		91
16) Acetone	2.417	43	37966	32.02 ug/l		99
18) Methyl Acetate	2.746	43	1352	0.48 ug/l		91
20) Methylene Chloride	2.840	84	1044	0.37 ug/l		92
25) 2-Butanone	4.641	43	4093	2.27 ug/l		90
31) Cyclohexane	5.629	56	4232	1.02 ug/l #		1
36) 1,1-Dichloropropene	5.629	75	15728	4.19 ug/l #		48
37) Ethyl Acetate	4.805	43	980	0.27 ug/l #		73
38) Carbon Tetrachloride	5.629	117	20147	5.53 ug/l #		16
40) Benzene	6.117	78	23854	2.12 ug/l		100
44) Trichloroethene	7.194	130	723	0.24 ug/l		94
49) 1,4-Dioxane	7.718	88	64	0.90 ug/l #		1
51) 4-Methyl-2-Pentanone	8.618	43	1262	0.36 ug/l #		85
52) Toluene	8.765	92	27046	3.86 ug/l		99
59) 2-Hexanone	9.477	43	723	0.27 ug/l		81
67) Ethyl Benzene	10.236	91	11292	0.76 ug/l		97
68) m/p-Xylenes	10.341	106	18874	3.46 ug/l		99
69) o-Xylene	10.683	106	12079	2.27 ug/l		99
76) 1,2,3-Trichloropropane	11.118	75	90295	24.05 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.489	105	2849	0.25 ug/l		94
81) trans-1,4-Dichloro-2-b...	11.118	75	90295	53.25 ug/l #		12
84) 1,2,4-Trimethylbenzene	11.789	105	8434	0.72 ug/l		98
95) Naphthalene	13.812	128	38801	3.03 ug/l		100

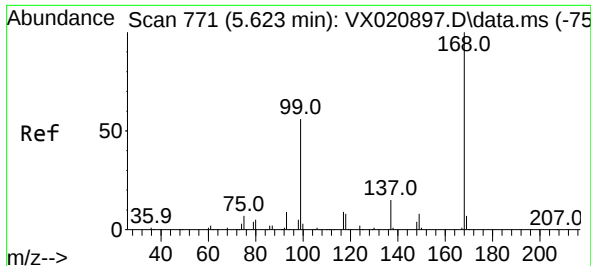
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
Data File : VX021111.D
Acq On : 09 Mar 2021 16:11
Operator : JC/MD
Sample : M1578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 10 00:32:22 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

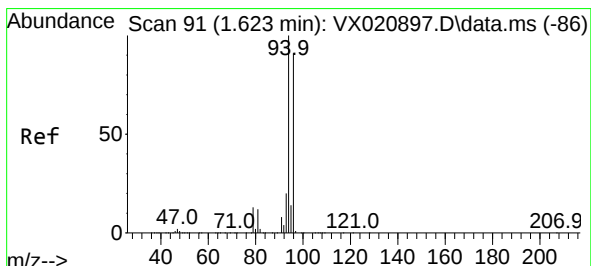
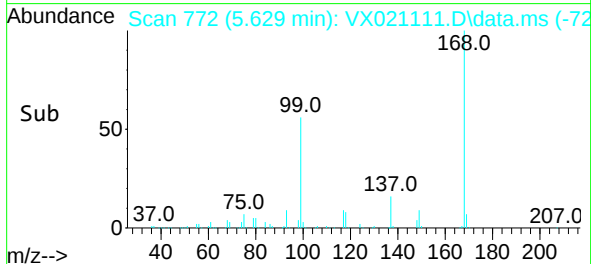
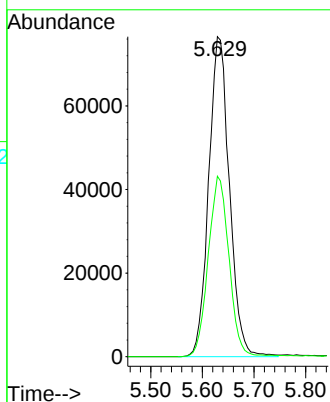
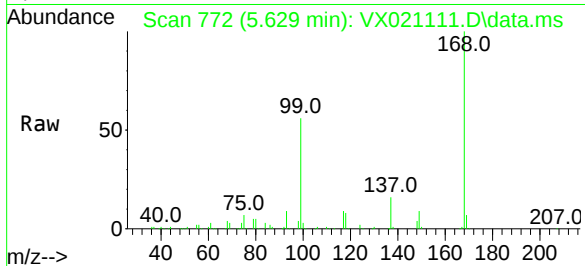




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

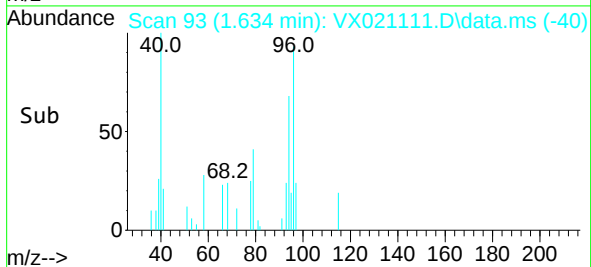
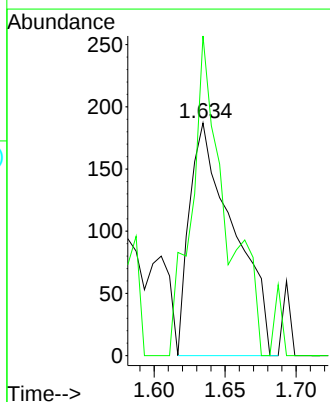
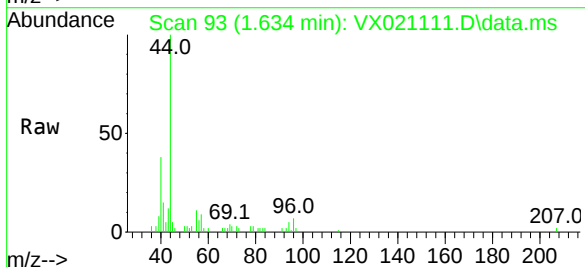
Instrument :
MSVOA_X
ClientSampleId :

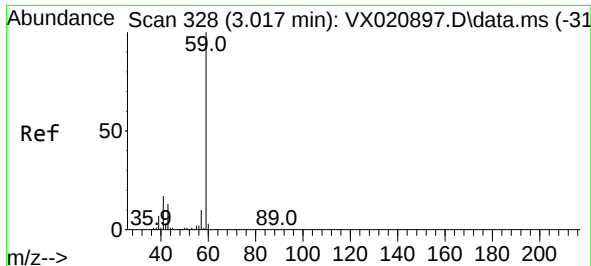
Tgt Ion:168 Resp: 213014
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 107.0 76.4 114.6



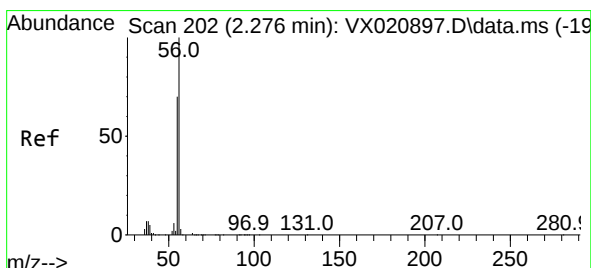
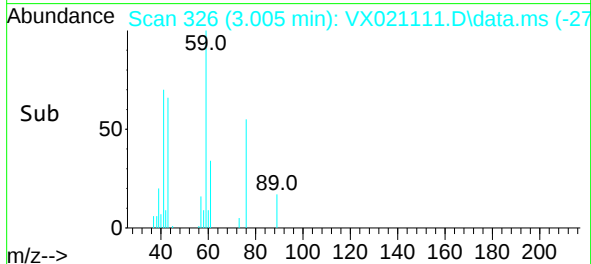
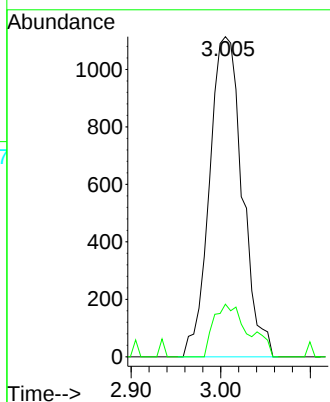
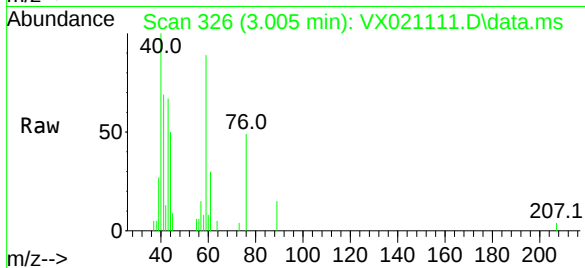


#11

Tert butyl alcohol
Concen: 4.42 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.012 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Instrument :
MSVOA_X
ClientSampled :

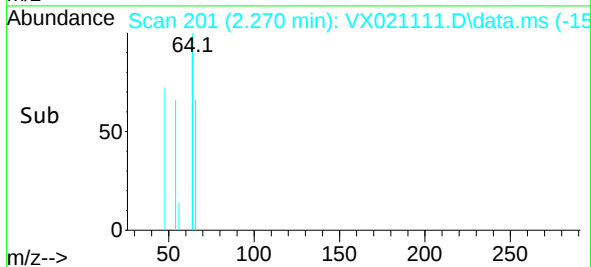
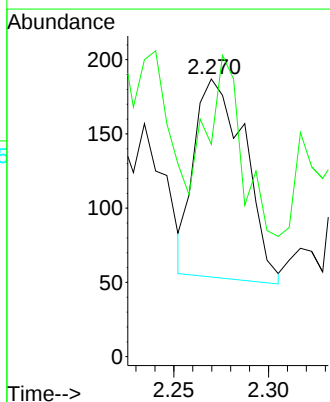
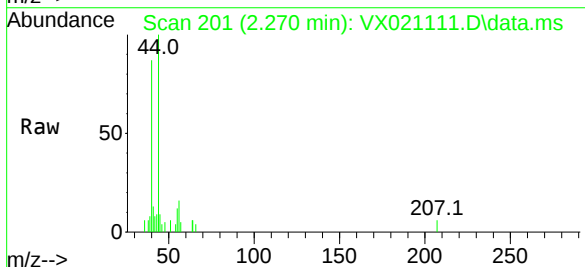
Tgt Ion: 59 Resp: 2831
Ion Ratio Lower Upper
59 100
57 14.5 7.8 11.8#

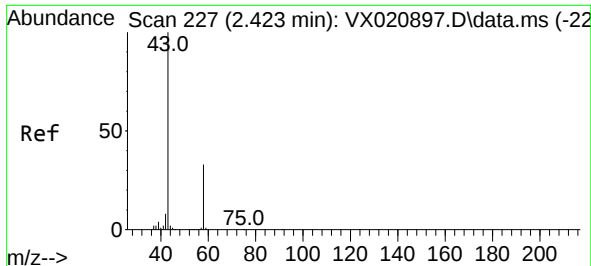


#13

Acrolein
Concen: 0.62 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 56 Resp: 247
Ion Ratio Lower Upper
56 100
55 62.8 56.4 84.6

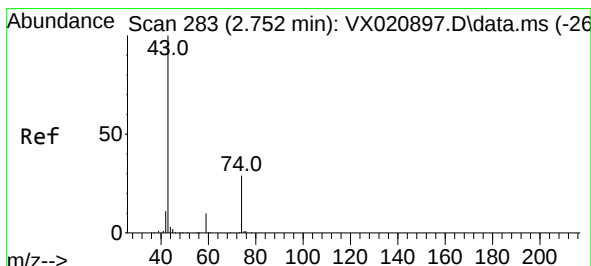
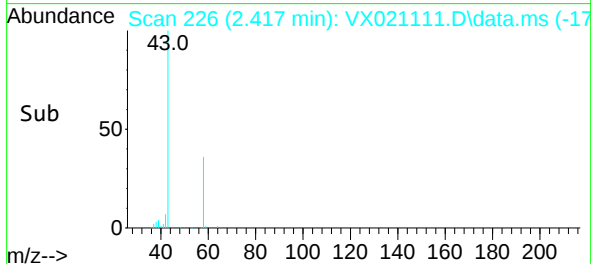
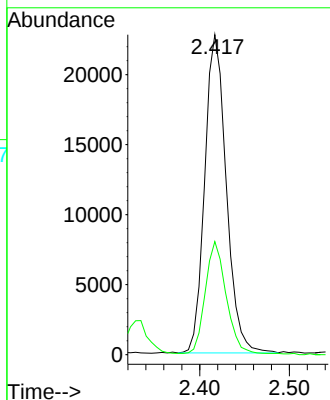
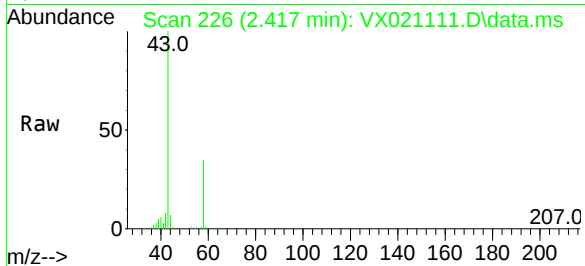




#16
Acetone
Concen: 32.02 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

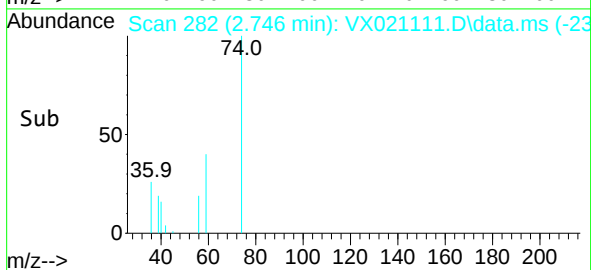
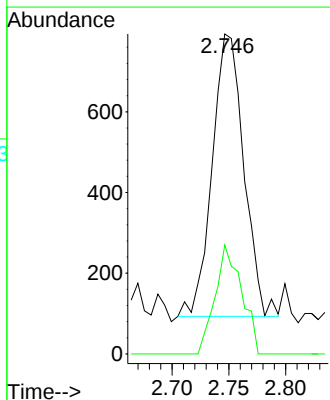
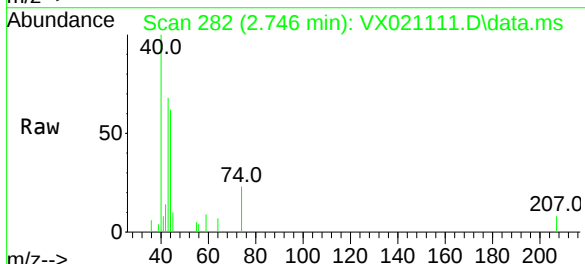
Instrument :
MSVOA_X
ClientSampleId :

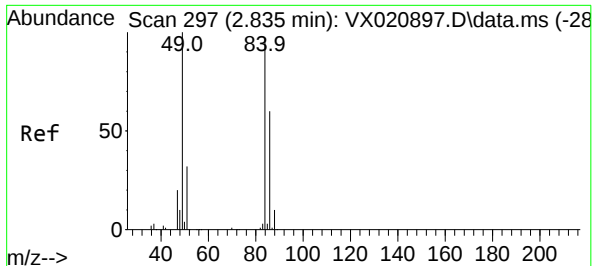
Tgt Ion: 43 Resp: 37966
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.8



#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

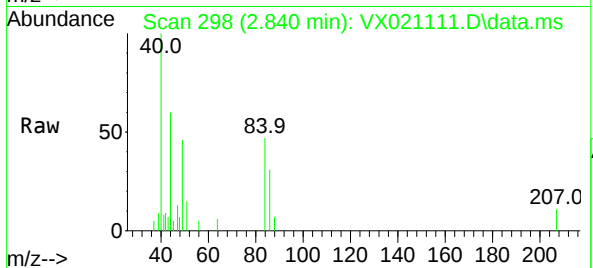
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
74 32.2 21.9 32.9



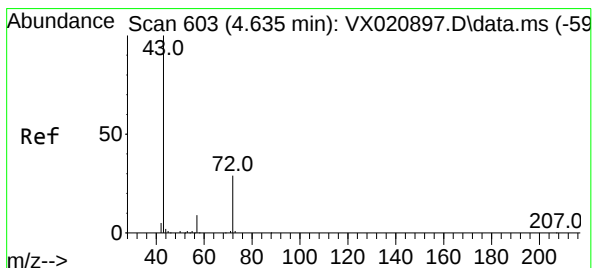
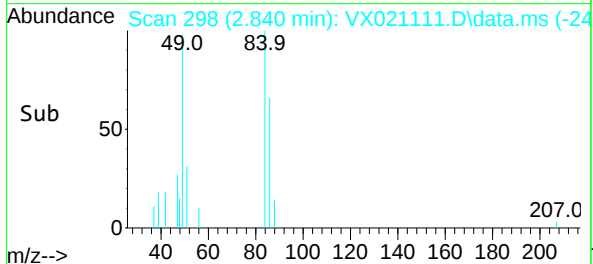
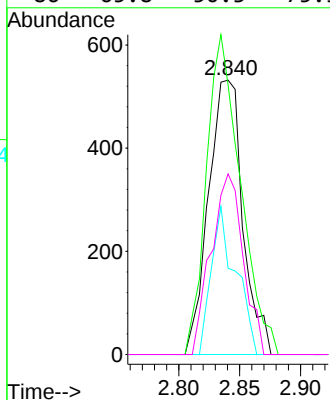


#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.840 min Scan# 298
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Instrument :
MSVOA_X
ClientSampled :

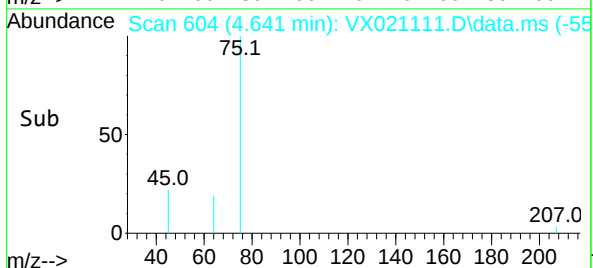
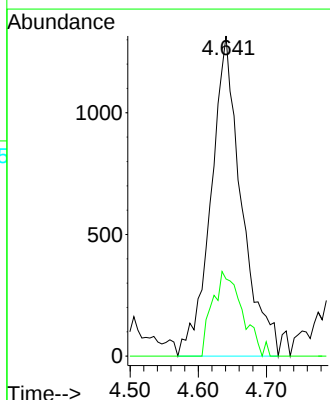
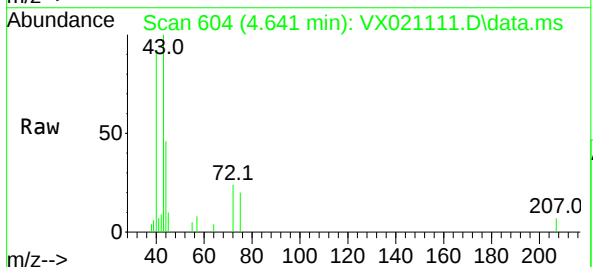


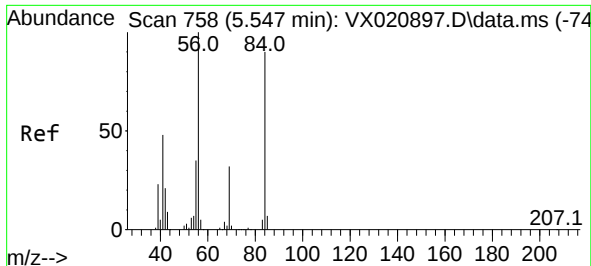
Tgt Ion:	84	Resp:	1044
Ion	Ratio	Lower	Upper
84	100		
49	98.1	88.6	132.8
51	31.4	27.0	40.6
86	65.8	50.3	75.5



#25
2-Butanone
Concen: 2.27 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

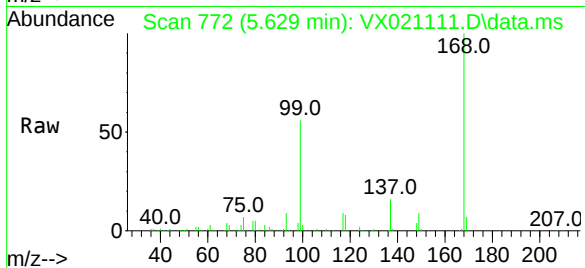
Tgt Ion:	43	Resp:	4093
Ion	Ratio	Lower	Upper
43	100		
72	24.1	23.7	35.5



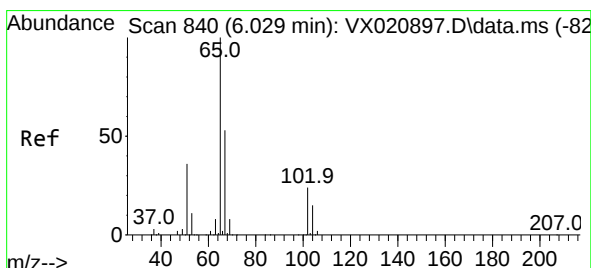
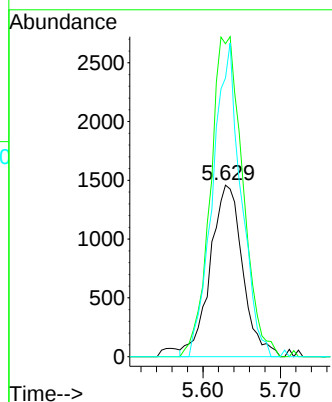
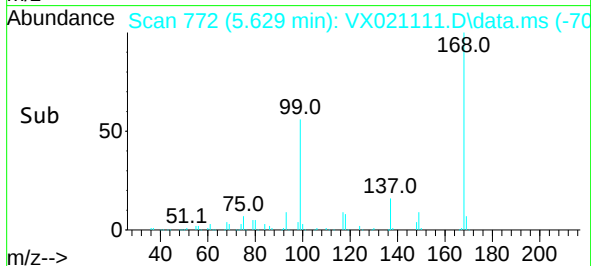


#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

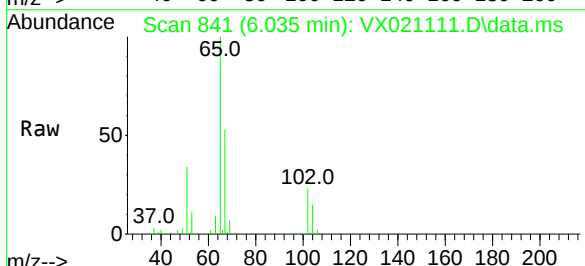
Instrument :
MSVOA_X
ClientSampled :



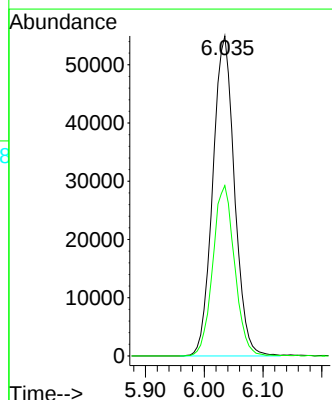
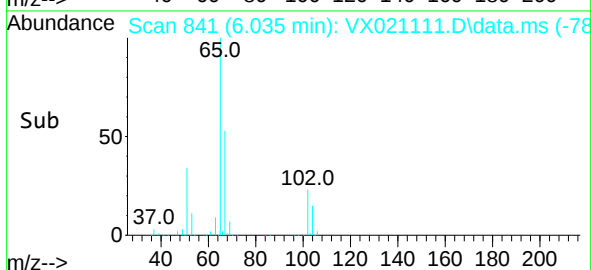
Tgt Ion: 56 Resp: 4232
Ion Ratio Lower Upper
56 100
69 182.5 25.3 37.9#
84 162.5 71.4 107.0#

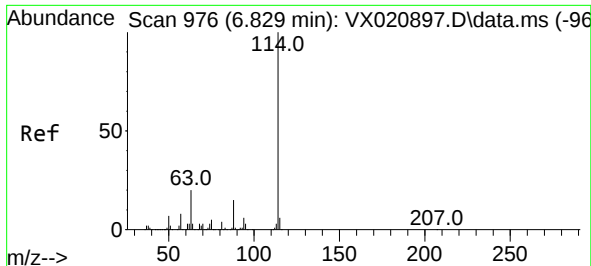


#33
1,2-Dichloroethane-d4
Concen: 48.97 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11



Tgt Ion: 65 Resp: 140896
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.4

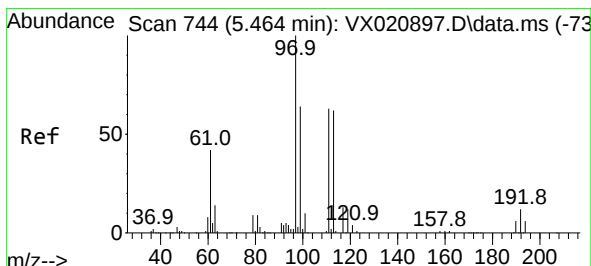
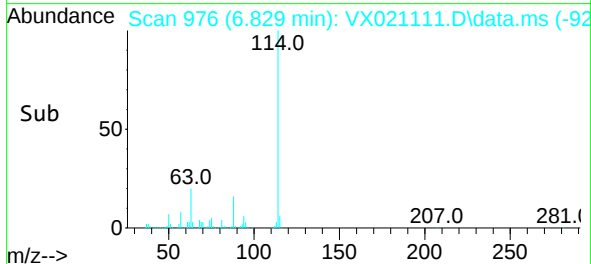
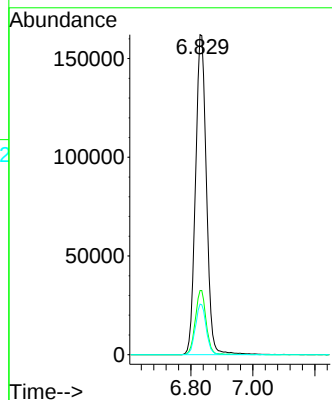
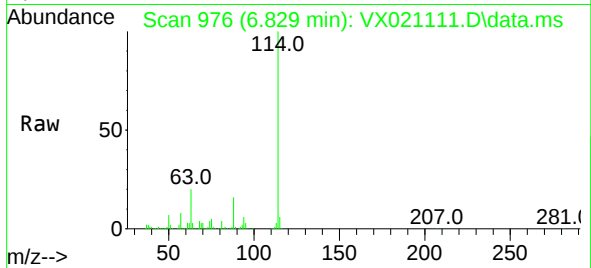




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

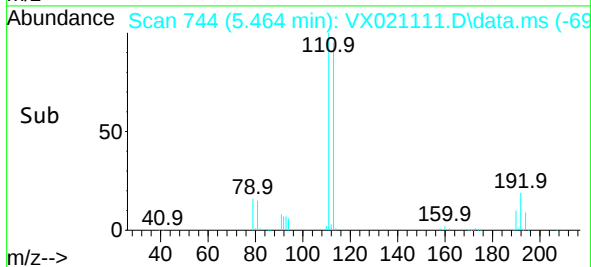
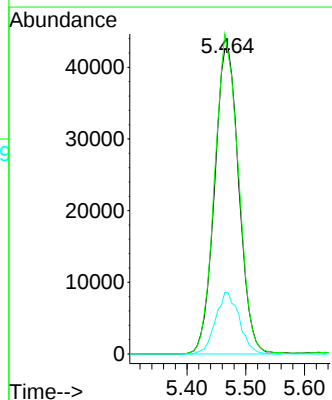
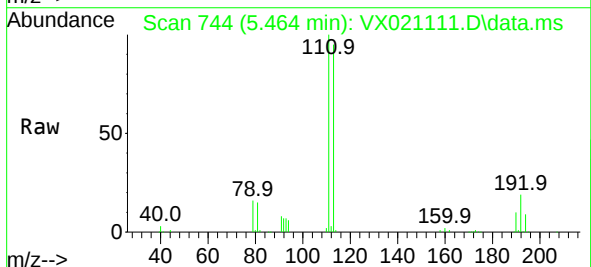
Instrument :
MSVOA_X
ClientSampleId :

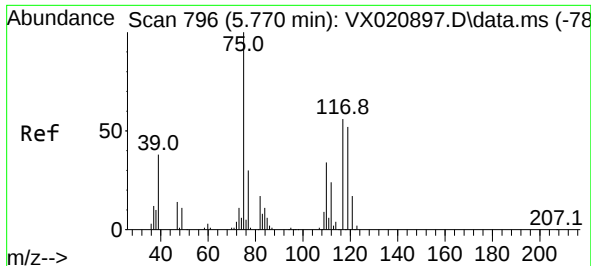
Tgt Ion:114 Resp: 395356
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.37 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

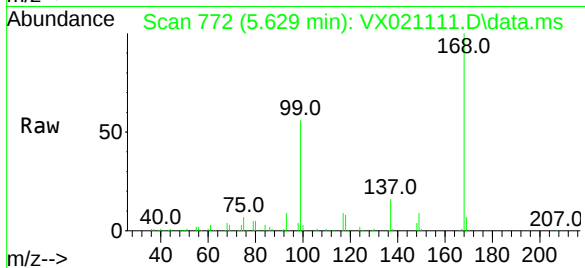
Tgt Ion:113 Resp: 123401
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 19.5 16.7 25.1



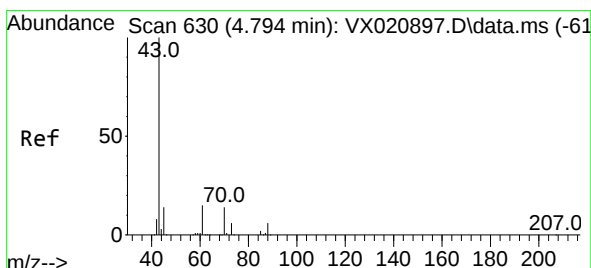
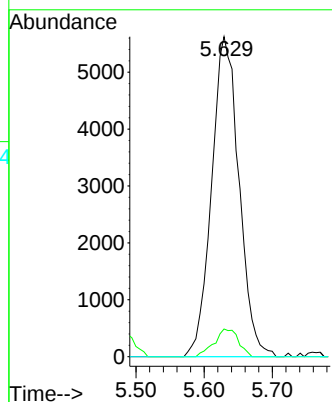
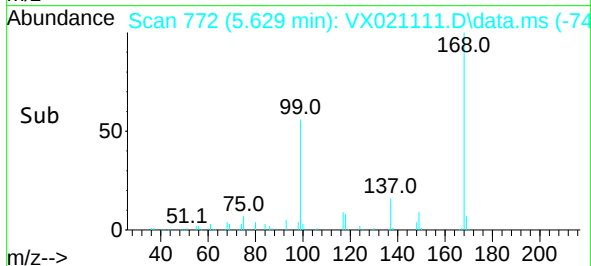


#36
1,1-Dichloropropene
Concen: 4.19 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

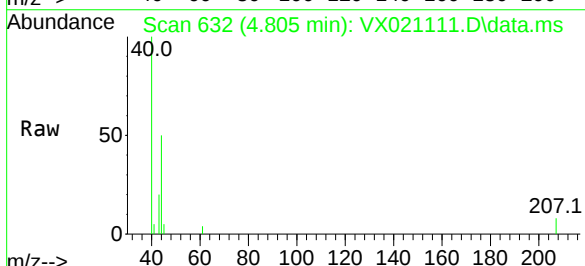
Instrument :
MSVOA_X
ClientSampleId :



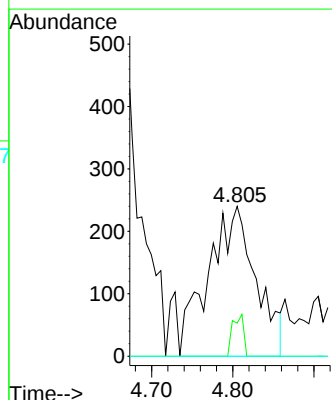
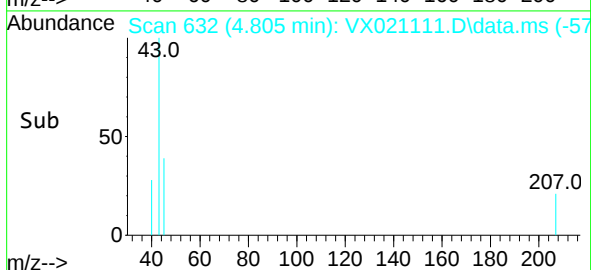
Tgt Ion: 75 Resp: 15728
Ion Ratio Lower Upper
75 100
110 7.6 18.1 54.4#
77 0.0 25.3 37.9#

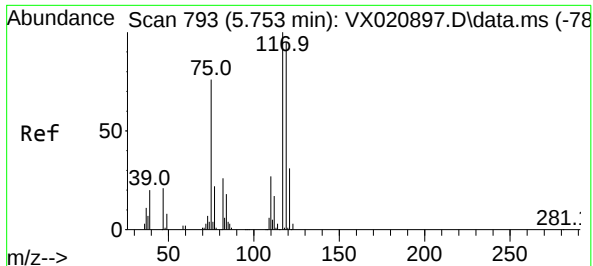


#37
Ethyl Acetate
Concen: 0.27 ug/l
RT: 4.805 min Scan# 632
Delta R.T. 0.012 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11



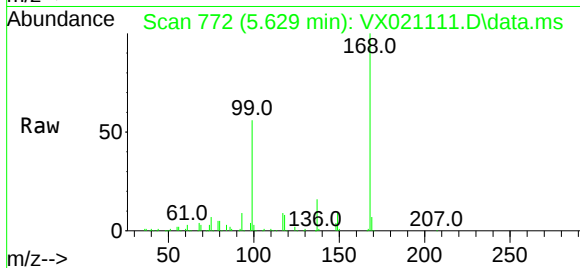
Tgt Ion: 43 Resp: 980
Ion Ratio Lower Upper
43 100
61 6.3 12.8 19.2#
70 0.0 10.5 15.7#



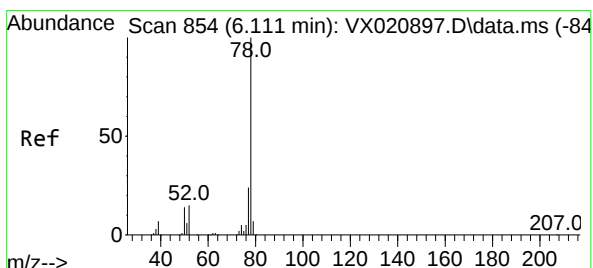
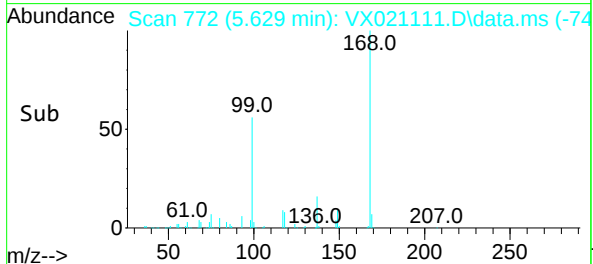
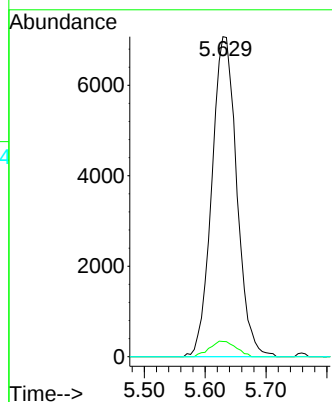


#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Instrument :
MSVOA_X
ClientSampled :

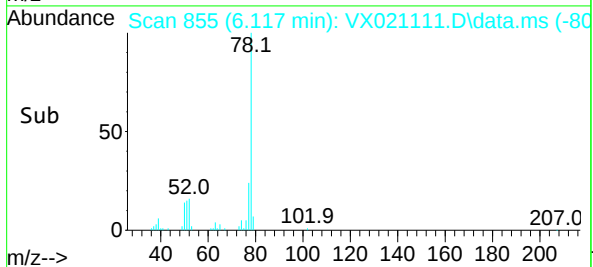
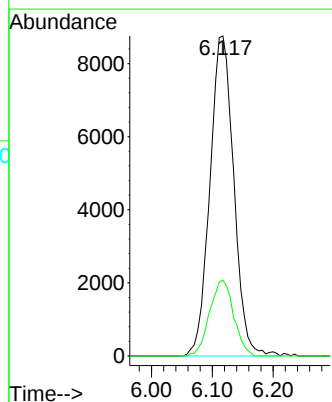
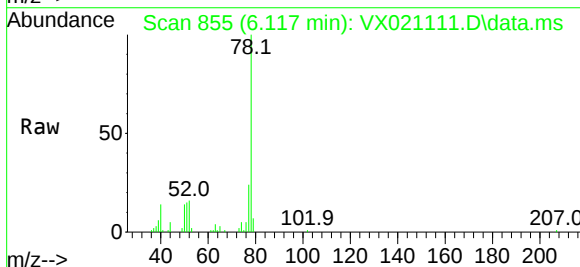


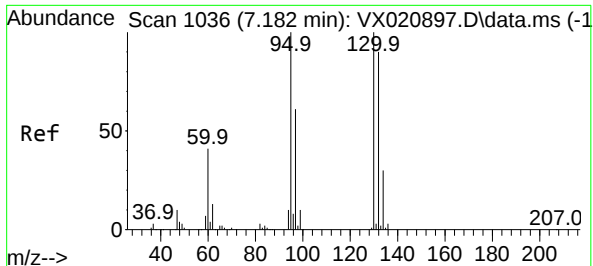
Tgt Ion: 117 Resp: 20147
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 2.12 ug/l
RT: 6.117 min Scan# 855
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 78 Resp: 23854
Ion Ratio Lower Upper
78 100
77 23.7 18.9 28.3





#44

Trichloroethene

Concen: 0.24 ug/l

RT: 7.194 min Scan# 1038

Delta R.T. 0.012 min

Lab File: VX021111.D

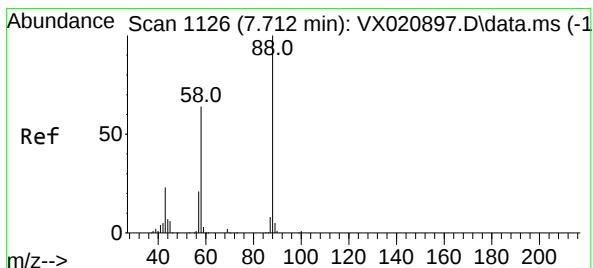
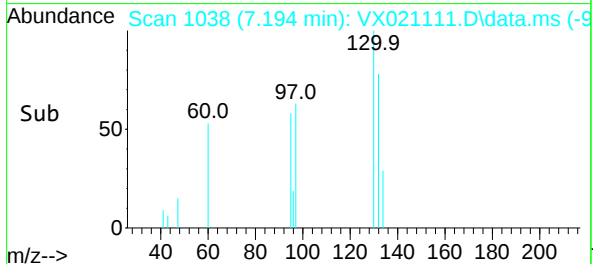
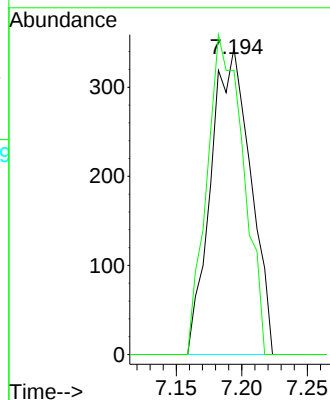
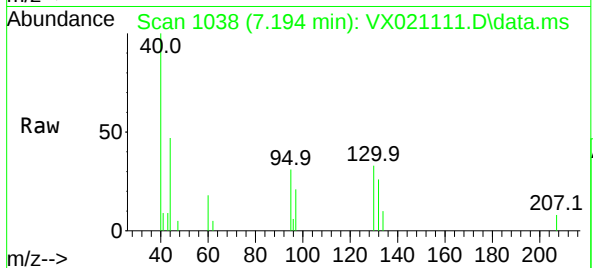
Acq: 09 Mar 2021 16:11

Tgt Ion:130 Resp: 723

Ion Ratio Lower Upper

130 100

95 92.7 0.0 198.0



#49

1,4-Dioxane

Concen: 0.90 ug/l

RT: 7.718 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VX021111.D

Acq: 09 Mar 2021 16:11

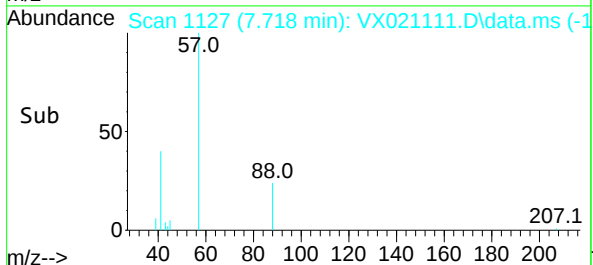
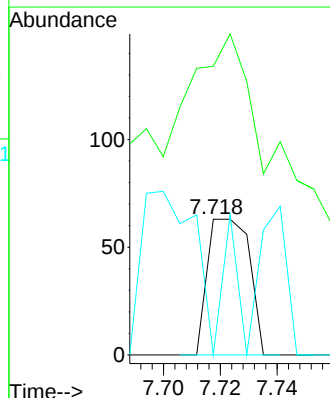
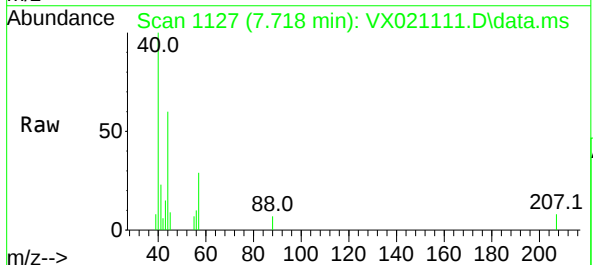
Tgt Ion: 88 Resp: 64

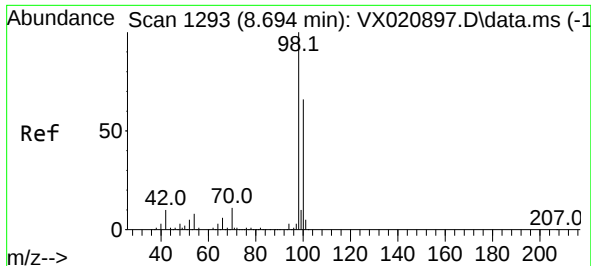
Ion Ratio Lower Upper

88 100

43 243.8 23.2 34.8#

58 0.0 55.0 82.4#

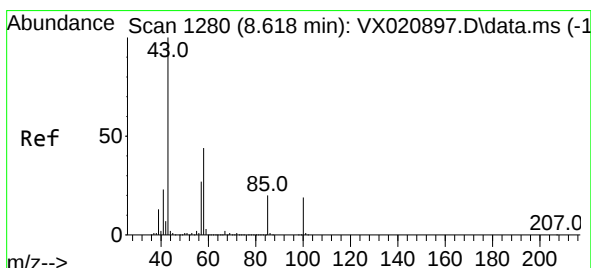
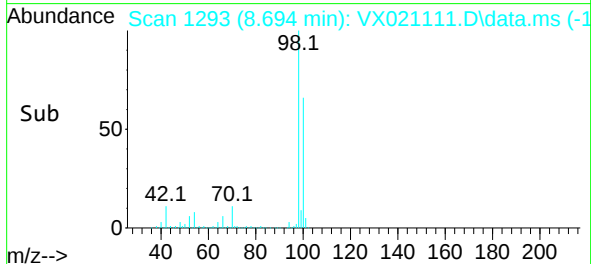
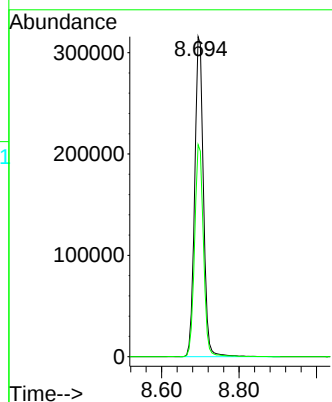
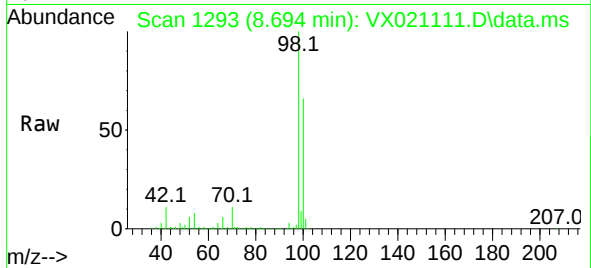




#50
Toluene-d8
Concen: 52.74 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

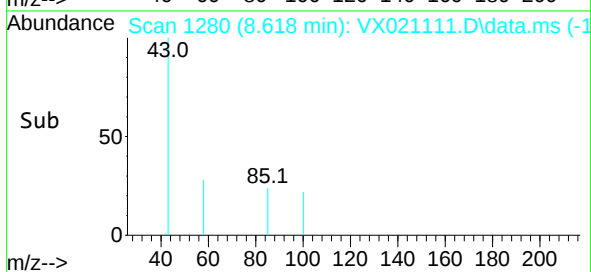
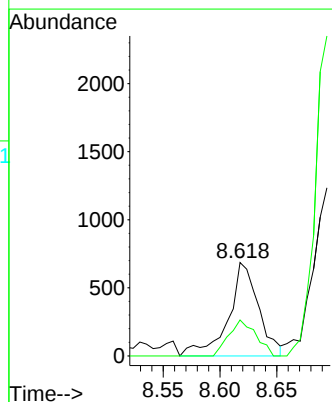
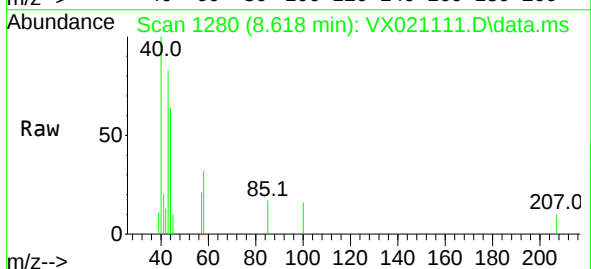
Instrument :
MSVOA_X
ClientSampled :

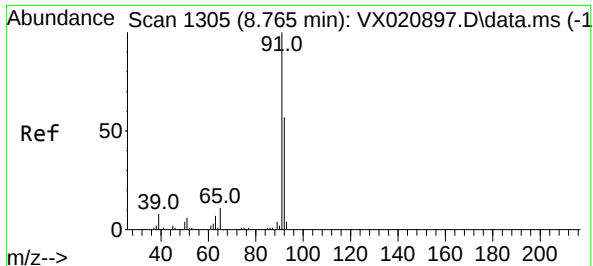
Tgt Ion: 98 Resp: 493945
Ion Ratio Lower Upper
98 100
100 66.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 34.5 35.4 53.0#

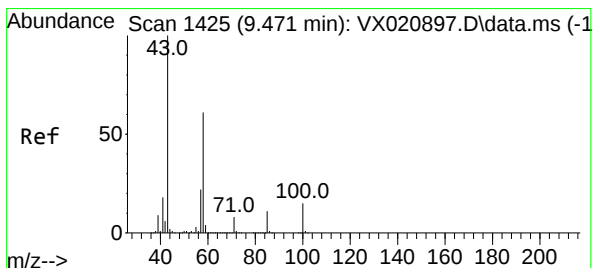
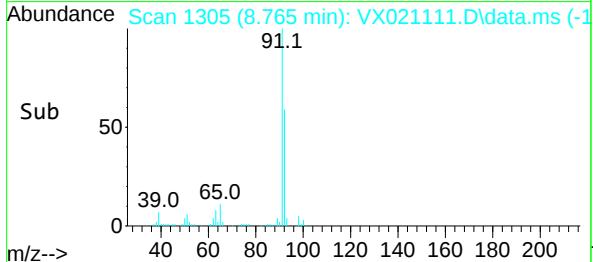
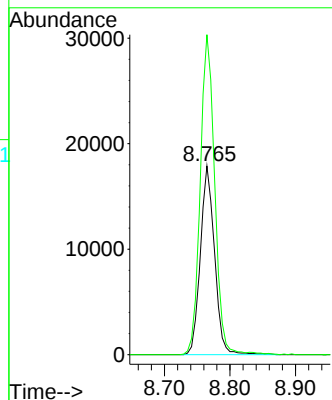
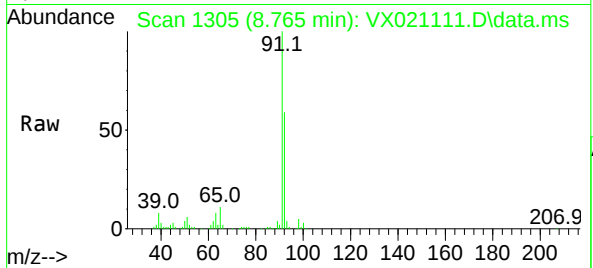




#52
Toluene
Concen: 3.86 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

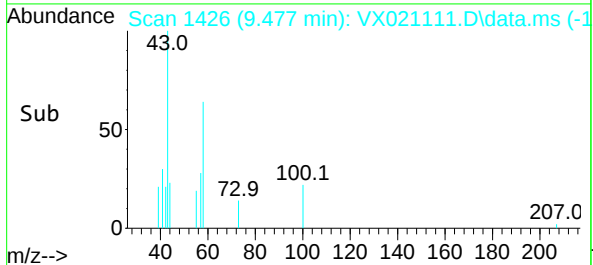
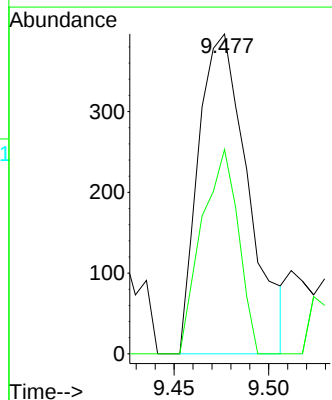
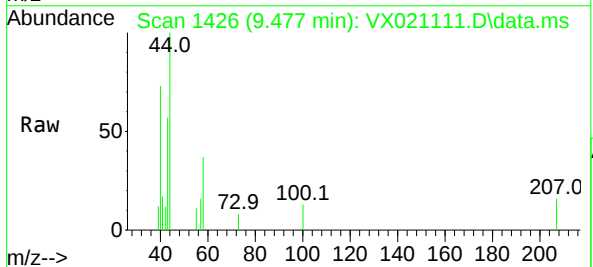
Instrument :
MSVOA_X
ClientSampled :

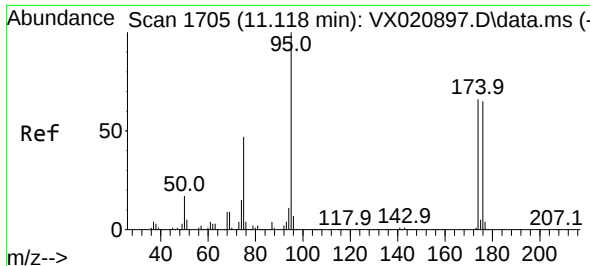
Tgt Ion: 92 Resp: 27046
Ion Ratio Lower Upper
92 100
91 173.0 137.1 205.7



#59
2-Hexanone
Concen: 0.27 ug/l
RT: 9.477 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 47.0 30.9 92.8

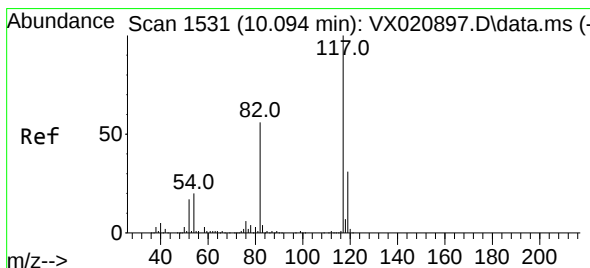
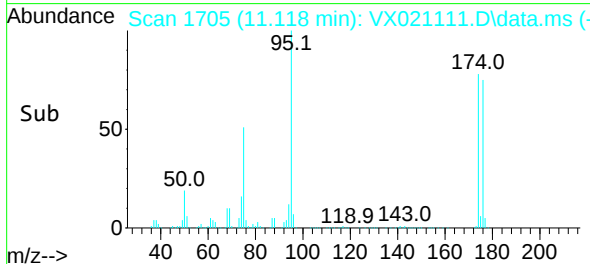
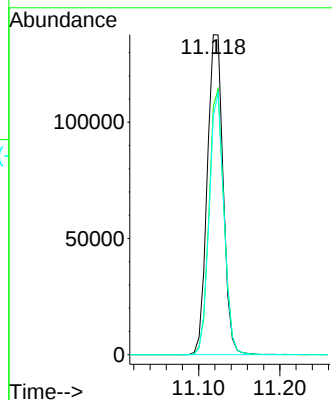
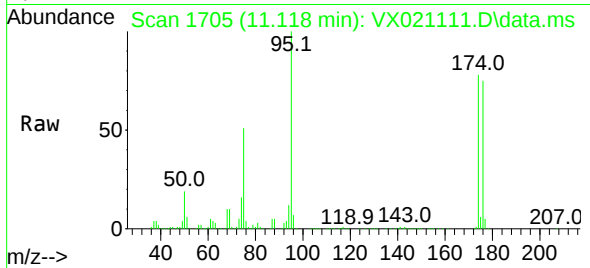




#62
4-Bromofluorobenzene
Concen: 53.74 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

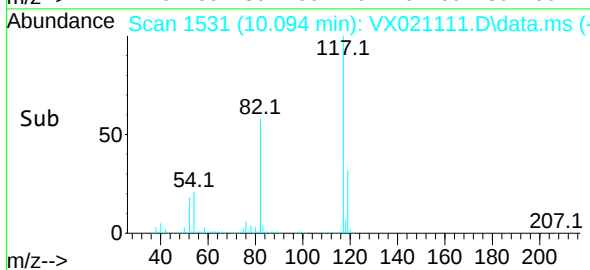
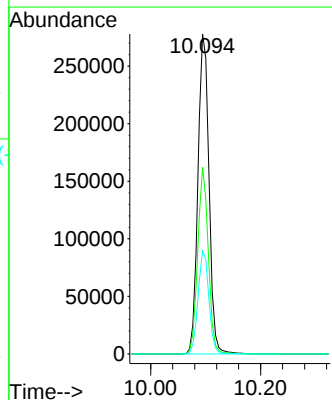
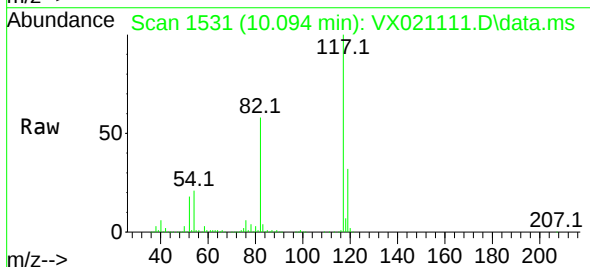
Instrument :
MSVOA_X
ClientSampleId :

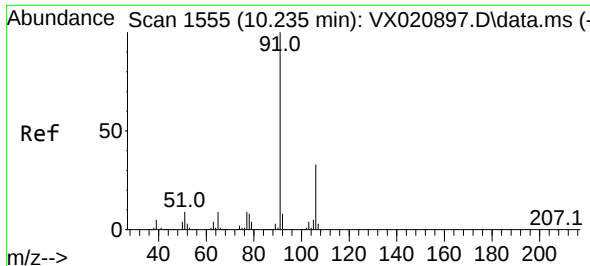
Tgt Ion: 95 Resp: 186097
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 76.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 117 Resp: 388602
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.2 26.6 39.8

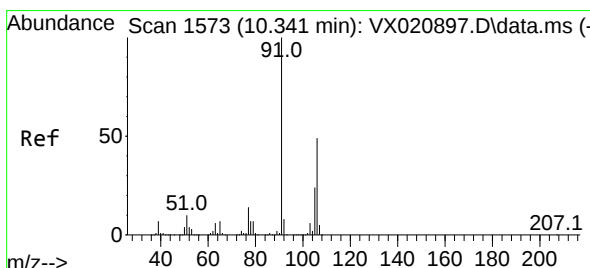
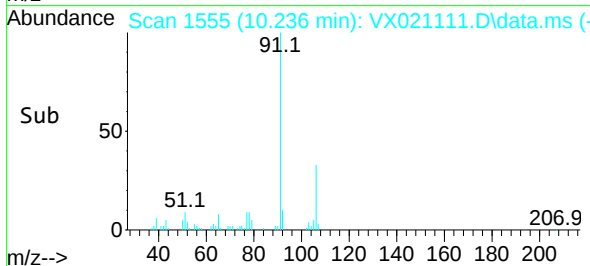
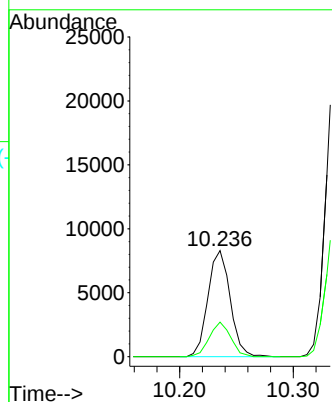
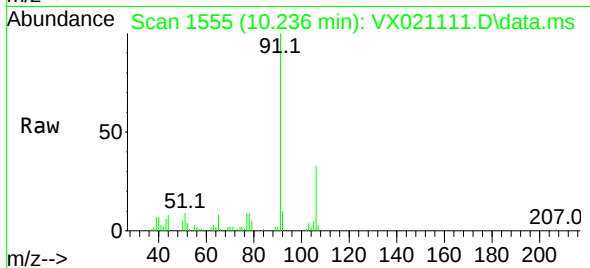




#67
Ethyl Benzene
Concen: 0.76 ug/l
RT: 10.236 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

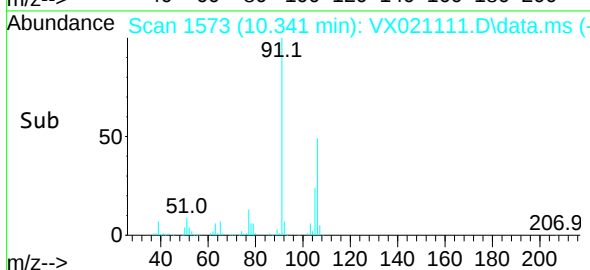
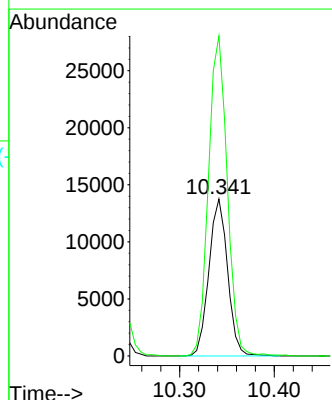
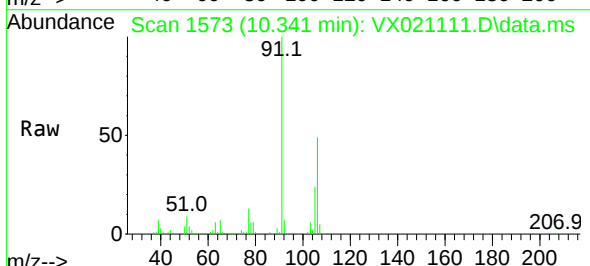
Instrument :
MSVOA_X
ClientSampled :

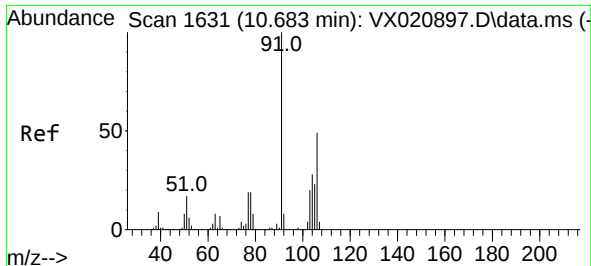
Tgt Ion: 91 Resp: 11292
Ion Ratio Lower Upper
91 100
106 32.6 24.6 37.0



#68
m/p-Xylenes
Concen: 3.46 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion:106 Resp: 18874
Ion Ratio Lower Upper
106 100
91 204.7 162.8 244.2

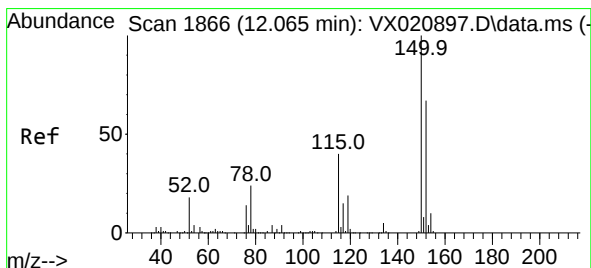
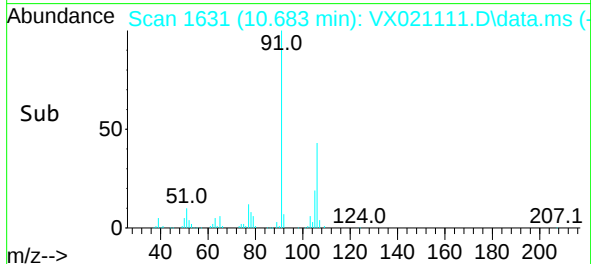
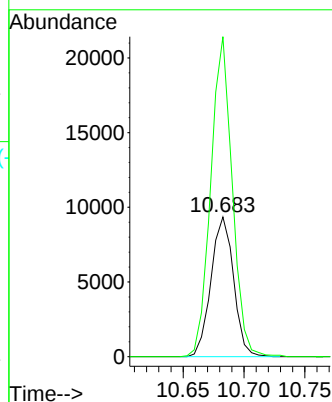
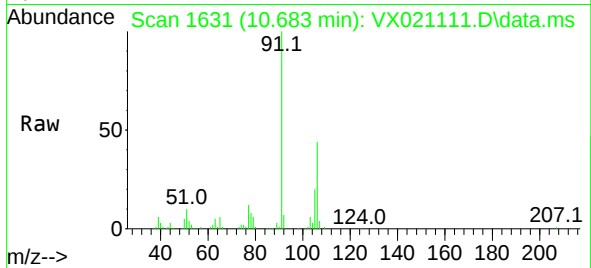




#69
o-Xylene
Concen: 2.27 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

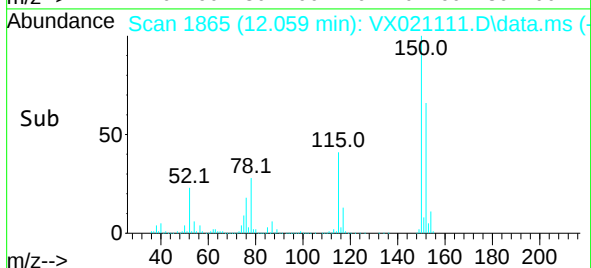
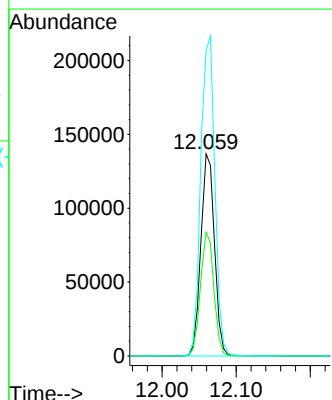
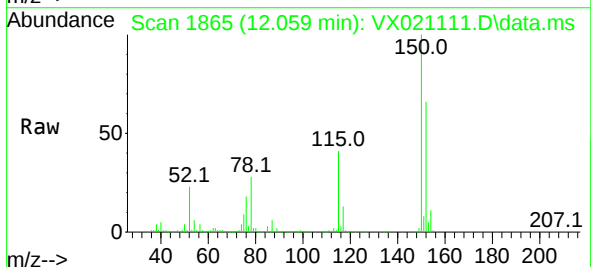
Instrument :
MSVOA_X
ClientSampled :

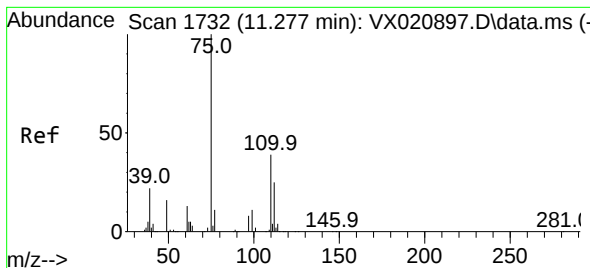
Tgt Ion:106 Resp: 12079
Ion Ratio Lower Upper
106 100
91 218.0 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion:152 Resp: 174521
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 163.5 0.0 349.0

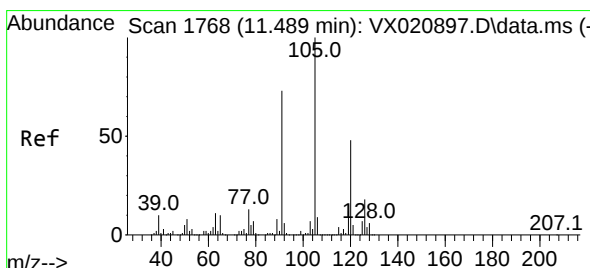
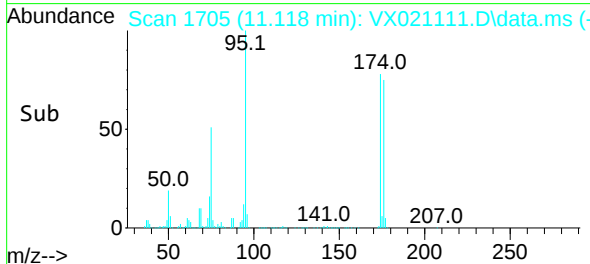
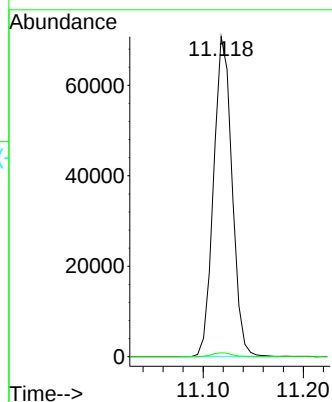
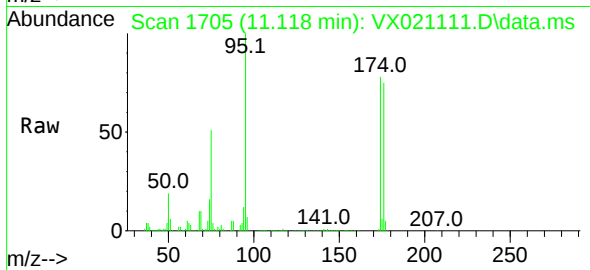




#76
1,2,3-Trichloropropane
Concen: 24.05 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

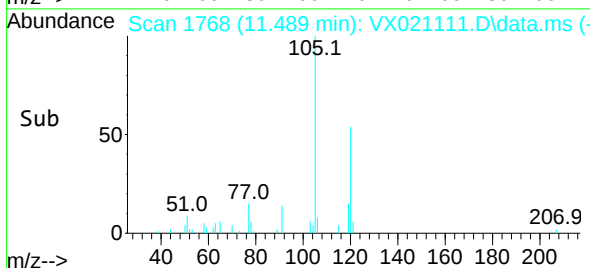
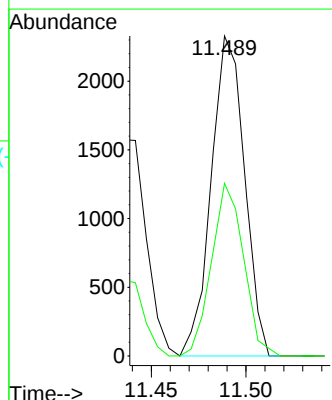
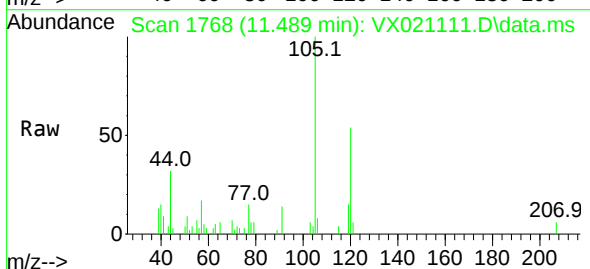
Instrument :
MSVOA_X
ClientSampleId :

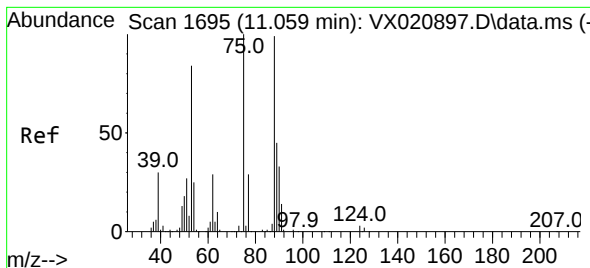
Tgt Ion: 75 Resp: 90295
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.25 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Tgt Ion: 105 Resp: 2849
Ion Ratio Lower Upper
105 100
120 51.9 23.8 71.5

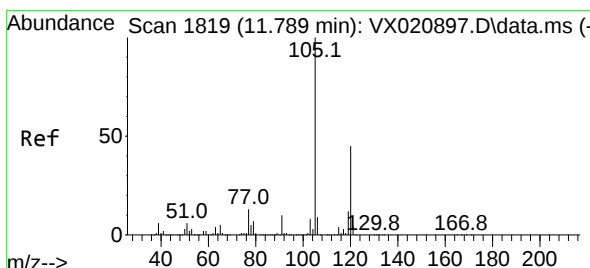
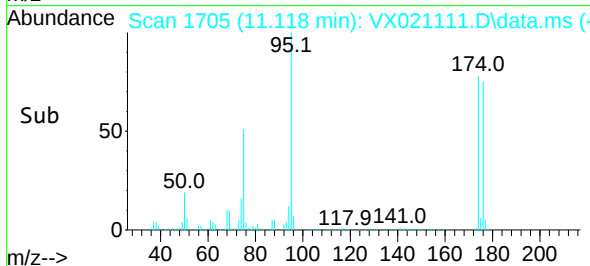
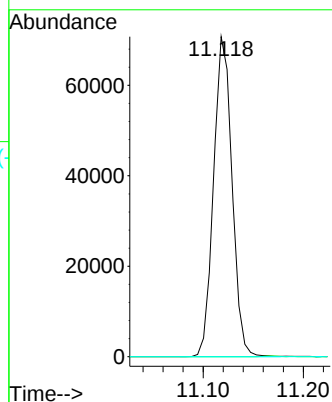
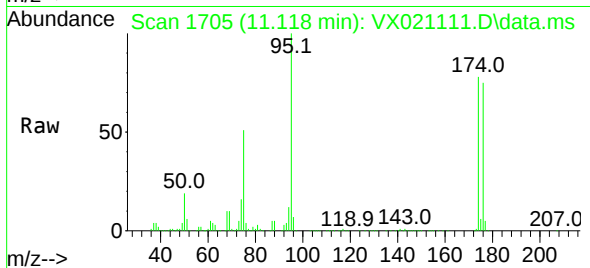




#81
trans-1,4-Dichloro-2-butene
Concen: 53.25 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

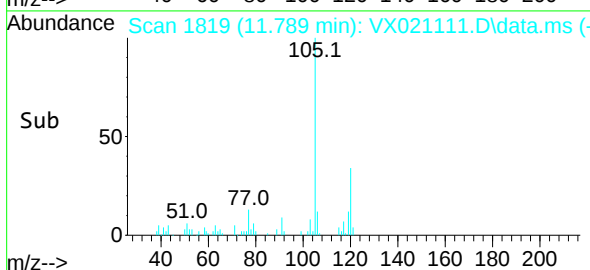
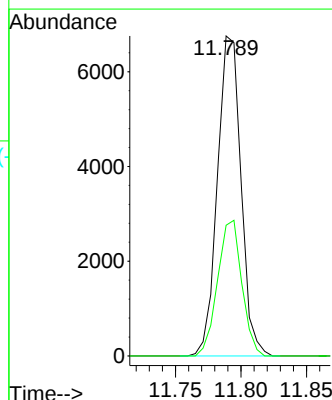
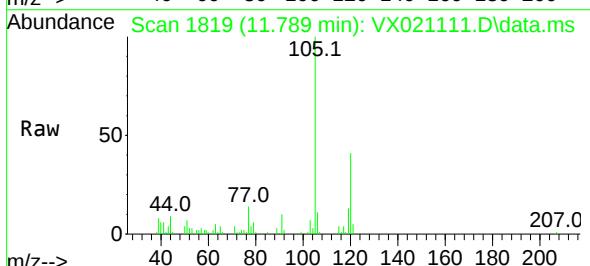
Instrument :
MSVOA_X
ClientSampleId :

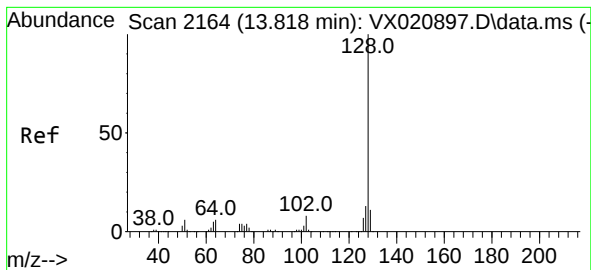
Tgt Ion: 75 Resp: 90295
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.72 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

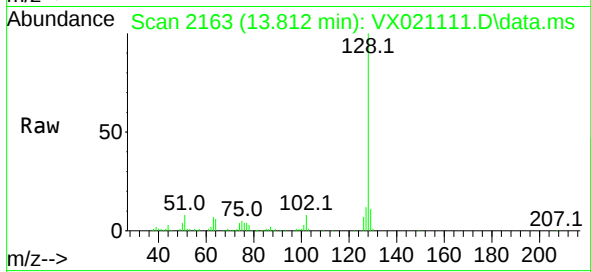
Tgt Ion: 105 Resp: 8434
Ion Ratio Lower Upper
105 100
120 43.6 22.4 67.3





#95
Naphthalene
Concen: 3.03 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021111.D
Acq: 09 Mar 2021 16:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 38801
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 10.9 8.8 13.2

